

STATE OF CALIFORNIA SIERRA NEVADA CONSERVANCY

Sierra Nevada Conservancy Grant Program Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act of 2006 (Proposition 84)

Applicant: TUOLUMNE UTILITIES DISTRICT
Project Title: PHOENIX LAKE PRESERVATION AND RESTORATION
Application Number: SNC 080101

PROJECT SCOPE

The Phoenix Lake Preservation and Restoration Project will result in a Preliminary Design Plan to restore and enhance this vital water resource. The Plan will:

- Identify methods for providing sediment control upstream of the lake.
- Determine how to manage existing wetland areas to restore lake storage capacity, enhance wetlands functionality, reduce wildfire risk, and improve fisheries and aquatic and wetland habitat quality.
- Identify sediment removal needs to restore the lake storage capacity, by implementing survey transects and computing the estimated volume of sediment entering the lake. Include approaches that have no adverse effects to the environment and comply with regulations.
- Identify a preferred approach for providing public access to the lake, including conceptual design/schematics of how the different access points could be utilized. This task also includes close coordination with potentially affected property owners.
- Develop a Phoenix Lake property owner education and outreach program to describe desirable property management practices around the lake.
- Survey public workshops participants to gauge the measurable changes in knowledge and behavior.

Firm outcomes of this project, based on the above, will include:

- Sediment Control Technical Memorandum
- Enhanced Wetlands Technical Memorandum
- Lake Capacity Restoration Technical Memorandum
- Public Access Technical Memorandum
- Public Workshops and Outreach Materials.

PROJECT SCHEDULE

| DETAILED PROJECT DELIVERABLES | TIMELINE |
|---|---------------------|
| Prepare hydrologic model to compute required capacity of sediment basins; prepare Sediment Control Technical Memorandum | March – August 2009 |
| Prepare conceptual design of constructed wetlands prior to discharge to Phoenix Lake; prepare Conceptual Design Technical Memorandum: Determine location and cross section of wetland channels by field locating natural channels | March – August 2009 |

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| and reviewing Phoenix Lake fire history. | |
| Complete and submit six-month progress report to SNC | August 2009 |
| Survey three transects and compute volume of sediment that needs to be removed from the lake. | September 2009 |
| Prepare Lake Capacity Restoration Technical Memorandum: develop plan for how to remove sediment from the lake bottom and potential capacity increase. | September 2009 |
| Prepare public access technical memorandum | October 2009 |
| Prepare and distribute outreach materials for the public | November 2009 – February 2010 |
| Complete and submit twelve-month progress report to SNC | February 2010 |
| Hold public workshops on property management practices | March – July 2010 |
| FINAL REPORT/FINAL REQUEST FOR PAYMENT | August 2010 |

PROJECT COSTS

| PROJECT BUDGET CATEGORIES | TOTAL SNC FUNDING |
|--|-------------------|
| Sediment Control Technical Memo | \$35,000 |
| Wetlands Enhancement Technical Memo | 35,000 |
| Lake Capacity Restoration Technical Memo | 10,000 |
| Public Access Technical Memo | 10,000 |
| Property Owner Education and Outreach | 10,000 |
| GRAND TOTAL | \$ 100,000 |

PROJECT SUPPORT LETTERS

- Assemblymember Tom Berryhill, 25th District
- Building Industry Association of Central California
- California Department of Forestry and Fire Protection (Cal Fire)
- Central Sierra Environmental Resource Center
- City of Sonora
- Jamestown Sanitary District
- Phoenix Lake Homeowners Association
- Senator Dave Cogdill, 14th District
- Sonora Regional Medical Center
- Tuolumne County Board of Supervisors
- Tuolumne County Chamber of Commerce
- Tuolumne County Farm Bureau
- Tuolumne County Resource Conservation District

PROJECT PERFORMANCE MEASURES

There are four Performance Measures common to all grants. In addition, grantees are required to include between one and three project-specific measures. Performance Measures listed here represent those proposed by applicants and may be modified through further discussion with SNC staff.

- Number of Collaboratively Developed Plans and Assessments
- Percent of Pre-project and Planning Efforts Resulting in Project Implementation
- Measurable Changes in Knowledge and Behavior